

Research using SW model

Run on :

Scoring Table

Searched:

post-pr

Listing first

Database :

24: /SIDS2/gcgca...
...its predicted by chance to ...
...result being printed

SUMMARIES

Description

| Result | Score | Query No. | length | DB | ID | |
|--------|--------|-----------|--------|----|----------|--------------------|
| 1 | 3334 | 100.0 | 3334 | 22 | AAE28030 | Human TR3 receptor |
| 2 | 3303.4 | 99.1 | 3501 | 21 | AA521262 | Human CTRN sequenc |
| 3 | 3259.6 | 97.0 | 3280 | 21 | AA895442 | Human C4S619 prot |
| 4 | 3258.8 | 97.7 | 3331 | 22 | AAH89765 | Nucleotide sequenc |
| 5 | 2726.6 | 81.8 | 2733 | 22 | AAH89774 | Nucleotide sequenc |
| 6 | 2603.6 | 78.1 | 2610 | 22 | AAE67997 | Human TR13 recepto |
| 7 | 2527.4 | 75.8 | 2554 | 22 | AAE71991 | Human endometrium |
| 8 | 1705 | 51.1 | 1717 | 20 | ABW21991 | Human prostate exp |
| 9 | 1172.8 | 35.2 | 1259 | 23 | AAV23150 | |

| | | | | | |
|----|--------|------|------|----|-----------|
| 10 | 1172.8 | 35.2 | 1299 | 23 | BAV28991 |
| 11 | 1145.8 | 34.4 | 1149 | 22 | BAF89777 |
| 12 | 1008.8 | 30.3 | 1587 | 22 | BAH76195 |
| 13 | 976.2 | 28.2 | 3556 | 22 | BAF75055 |
| 14 | 951.8 | 26.3 | 1119 | 22 | BAH76196 |
| 15 | 901.4 | 27.0 | 3390 | 22 | BAF75054 |
| 16 | 651.4 | 19.2 | 677 | 21 | BAH95443 |
| 17 | 625.4 | 18.8 | 627 | 22 | BAF89776 |
| 18 | 551 | 16.5 | 558 | 21 | AAAC8819 |
| 19 | 545.8 | 16.4 | 528 | 22 | AAAL24910 |
| 20 | 537.6 | 16.4 | 686 | 22 | AAAL24910 |
| 21 | 464.6 | 13.3 | 1737 | 20 | AAAC0854 |
| 22 | 444 | 12.7 | 477 | 20 | AAAL0017 |
| 23 | 443 | 12.3 | 443 | 22 | AAAF9169 |
| 24 | 424.4 | 11.6 | 426 | 24 | ABR38861 |
| 25 | 419.8 | 11.6 | 1508 | 22 | AAAC8486 |
| 26 | 361.8 | 10.9 | 351 | 22 | AAAL2067 |
| 27 | 364 | 10.9 | 374 | 22 | BAV44075 |
| 28 | 362.4 | 10.9 | 390 | 22 | AAAL20220 |
| 29 | 362.4 | 10.5 | 373 | 22 | AAAL14742 |
| 30 | 349.4 | 10.4 | 375 | 23 | ABV14442 |
| 31 | 346.0 | 10.4 | 445 | 23 | ABV55296 |
| 32 | 346.0 | 10.4 | 433 | 22 | BAF54979 |
| 33 | 346.6 | 10.2 | 475 | 22 | ABV04971 |
| 34 | 340.8 | 10.1 | 435 | 22 | BAV11321 |
| 35 | 338 | 10.1 | 397 | 22 | BAH11188 |
| 36 | 336.6 | 9.9 | 440 | 22 | BAF27999 |
| 37 | 331.2 | 9.9 | 342 | 22 | BAF28037 |
| 38 | 331.2 | 8.7 | 342 | 22 | BAE28000 |
| 39 | 290 | 8.7 | 291 | 22 | BAE28038 |
| 40 | 290 | 8.5 | 366 | 22 | BAE58078 |
| 41 | 284.4 | 8.5 | 406 | 23 | BAE69729 |
| 42 | 284.4 | 7.9 | 294 | 24 | BAF80399 |
| 43 | 265 | 7.9 | 267 | 22 | BAF28001 |
| 44 | 264 | | | | |
| 45 | | | | | |

ALIGNMENTS

Human prostate exp
Nucleotide sequenc
Human seven-transm
TR16-long receptor
Human seven-transm
Human seven-transm
TR16-short recepto
Human CASH619 prot
Nucleotide sequenc
Human colon cancer
Human poly(nucleoti
Human breast cancer
Human SEC10 nuclei
Human secreted pro
Human secreted a hu
cDNA fragment lung
cDNA encoding nucleic
Human SEC3 nucleic
Human breast cancer
Human prostate exp
Human breast cancer
Human breast cancer
Human breast cancer
Human prostate exp
Human prostate exp
Human prostate exp
Novel human polyn
Human prostate exp
Human breast cancer
Human breast cancer
Human TR13 coding
Human TR13 coding
Human TR13 coding
Human TR13 coding
Human TR13 coding
cDNA #754 encodin
Prostate cancer r
Human TR13 coding
Human TR13 coding

| | |
|-----------------------|--------------------|
| Query Match | 100.0%; Score 333. |
| Best Local Similarity | 100.0%; Score 333. |
| Matches 333. | 100.0%; Score 333. |

[illegible]

US-10-046-433-39.rng

RESULT 2
3501 BP.
CDNA;

| | | | |
|----|----------|-------------|---|
| AC | ANSZ126- | | (first entry) |
| XX | | 24-OCT-2001 | Homo sapiens. |
| DX | | | |
| DT | | | |
| XX | | | Human CDNA sequence encoding for PRO4985 polypeptide. |
| DE | | | |
| KM | | | Human secretory and transmembrane; PRO: mammalian; cancer; lung; |
| KW | | | breast; prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; |
| KM | | | cartilage; ear; proliferation; glucose; free fatty acid; skeletal muscle; |
| KM | | | adipocyte; A-peptide; factor VIIA; gene therapy; ss. |
| XX | | | |
| OS | | | Homo sapiens. |
| XX | | | |
| PX | | | WO200140466-A2. |
| PN | | | |
| PD | | | 07-JUN-2001. |
| XX | | | |
| PF | | | 01-DEC-2000; 2000WO-US32678. |
| XX | | | |
| PR | | | 01-DEC-1999; 99WO-US28301. |
| PR | | | 01-DEC-1999; 99WO-US28551. |
| PR | | | 02-DEC-1999; 99WO-US28564. |
| PR | | | 02-DEC-1999; 99WO-US28565. |
| PR | | | 02-DEC-1999; 99WO-U170262. |
| PR | | | 09-DEC-1999; 99US-US30095. |
| PR | | | 16-DEC-1999; 99WO-US30911. |
| PR | | | 16-DEC-1999; 99WO-US30999. |
| PR | | | 20-DEC-1999; 99WO-US31243. |
| PR | | | 20-DEC-1999; 99WO-US00277. |
| PR | | | 30-DEC-1999; 2000WO-US00376. |
| PR | | | 06-JAN-2000; 2000WO-US03565. |
| PR | | | 06-JAN-2000; 2000WO-US04341. |
| PR | | | 11-FEB-2000; 2000WO-US04342. |
| PR | | | 18-FEB-2000; 2000WO-US04414. |
| PR | | | 18-FEB-2000; 2000WO-US04914. |
| PR | | | 22-FEB-2000; 2000WO-US05004. |
| PR | | | 24-FEB-2000; 2000WO-US05601. |
| PR | | | 24-MAR-2000; 2000WO-US07377. |
| PR | | | 01-MAR-2000; 2000WO-US07532. |
| PR | | | 20-MAR-2000; 2000WO-US08439. |
| PR | | | 30-MAR-2000; 2000WO-US13705. |
| PR | | | 17-MAY-2000; 2000WO-US13705. |

Wed Mar 12 10:08:32 2003

us-10-046-433-39.rng

Page 4

```

PR 22-MAY-2000; 2000MO-US14042.
PR 30-MAY-2000; 2000MO-US14042.
PR 02-JUN-2000; 2000MO-US14941.
PR 10-NOV-2000; 2000MO-US15264.
PA (GETH ) GENENTECH INC.
XX
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerltzen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WT, Zhang Z;
DR MPI: 2001-408280/43.
XX P-PSB: AAU12190.
XX
XX Claim 3; Fig 37; 813pp; English.
CC
CC AAS21244-AAS21518 encode for novel human secretory and transmembrane
CC PRO polypeptides. The PRO polypeptides are useful to detect
CC PRO polypeptides, to link bioactive molecules to cells expressing
CC PRO polypeptides, to modulate biological activities of cells expressing
CC polypeptides, to detect the presence of mammalian lung, colon,
CC polypeptide expression in a cell sample or liver tumours by comparing
CC tumor necrosis factor-alpha (TNF-alpha) from human blood, the
CC gene expression or differentiation of chondrocytes, the proliferation
CC cartilage, the proliferation of inner ear utricular supporting cells or
CC monocytes (PBMCs), or the release of a cytokine from peripheral blood
CC the PRO polypeptides may modulate glucose or free fatty acid uptake by
CC to factor VIIA. The PRO polypeptides can be used in assays to identify
CC molecules involved in binding interactions. The polynucleotides encoding
CC transgenic or knock out animals and can be used in gene therapy.
XX
XX Sequence 3501 BP; 921 A; 979 C; 823 G; 776 T; 2 other:
XX
Query Match
Best Local Similarity 99.18; Score 3303.4; DB 22; Length 3501;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;
QY 1 GCAGAGACAGACGCGGACGACCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 60
DB 76 GCAGAGACAGACGCGGACGACCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 60
QY 61 GCTGAGCTGGGACAGACGACGACCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 135
DB 136 GCTGAGCTGGGACAGACGACGACCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 135
QY 121 ATACCCGCGGCTGGGACGACGACGACCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 120
DB 196 ATACCCGCGGCTGGGACGACGACGACCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 195
QY 181 ACGGAGCGGAGCTTCACGCGCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 180
DB 256 ACGGAGCGGAGCTTCACGCGCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 255
QY 241 GACAGACAGCGGCTTCAGCGCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 240
DB 316 GACAGACAGCGGCTTCAGCGCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 315
QY 301 CTGCGGAGCGGCTTCAGCGCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 300
DB 376 CTGCGGAGCGGCTTCAGCGCTGAGCGGCTACTGCGGCTCACTCAGACAAAGCTATG 375
QY 361 GATATGAAGACAGCTCATGTAAGCATGGCGTGAAGGCGCGCTACTGCGGACAGAGC 420

```

```

DB 436 GATATGAAGACAGCTCATGTAAGCATGGCGTGAAGGCGCGCTACTGCGGACAGAGC 420
QY 421 ATTCGCTTGGTGAAGTGGGATGATGCTGCGGCTGAGCGGCTGAGCGGCTGAGCGGCT 495
DB 496 ATTCGCTTGGTGAAGTGGGATGATGCTGCGGCTGAGCGGCTGAGCGGCTGAGCGGCT 495
QY 481 GAGCTGATGACAGTGTGCTGAGTGTGCTGAGTGTGCTGAGTGTGCTGAGTGTGCTGAG 480
DB 556 GAGCTGATGACAGTGTGCTGAGTGTGCTGAGTGTGCTGAGTGTGCTGAGTGTGCTGAG 555
QY 541 CGGGGCGCTACATCGCGCTTCAACAGGAGGATGCAAGGAGGATGCAAGGAGGATGCA 540
DB 616 CGGGGCGCTACATCGCGCTTCAACAGGAGGATGCAAGGAGGATGCAAGGAGGATGCA 615
QY 601 AACCTGAGCAATCGGCGCTTCAACAGGAGGATGCAAGGAGGATGCAAGGAGGATGCA 600
DB 676 AACCTGAGCAATCGGCGCTTCAACAGGAGGATGCAAGGAGGATGCAAGGAGGATGCA 675
QY 661 TTGAGTTTTCGTTCAAGATGACGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 735
DB 736 TTGAGTTTTCGTTCAAGATGACGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 735
QY 721 AAGACACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
DB 796 AAGACACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 795
QY 781 CTCTATTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
DB 856 CTCTATTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 855
QY 841 AAGAACATTCGCTTCAACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 840
DB 916 AAGAACATTCGCTTCAACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 915
QY 901 ACGTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 900
DB 976 ACGTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 975
QY 961 AATAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 960
DB 1036 AATAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1035
QY 1021 TCTTCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
DB 1096 TCTTCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1095
QY 1081 TGCATGCGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080
DB 1156 TGCATGCGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1155
QY 1141 GAGGAGCTTGAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1140
DB 1216 GAGGAGCTTGAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1215
QY 1201 TGCAGACCGAGGCTTCTTCAAAACCAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
DB 1276 TGCAGACCGAGGCTTCTTCAAAACCAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1275
QY 1261 TACTCCATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1260
DB 1336 TACTCCATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1335
QY 1321 GATATGAAGACAGCTCATGTAAGCATGGCGTGAAGGCGCGCTACTGCGGACAGAGC 1320
DB 1396 GATATGAAGACAGCTCATGTAAGCATGGCGTGAAGGCGCGCTACTGCGGACAGAGC 1395
QY 1381 AACTTCGAGTACAGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
DB 1456 AACTTCGAGTACAGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1455
QY 1441 GCTGAGCGCTCAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1440
DB 1515 GCTGAGCGCTCAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1515

```

1516 GCTGGAGCGCTCAGNCATGCTTCAATGTTCTCACTCGTGGTGTGCCAGATTAGACCT 1575
1515 GCTGGAGCGCTCAGNCATGCTTCAATGTTCTCACTCGTGGTGTGCCAGATTAGACCT 1560
1501 CCGCAGTGGGTGATGACGACGACGACGATTAAGAGTGGCCAGATTACATTTGTCTTT 1635
1500 CCGCAGTGGGTGATGACGACGACGATTAAGAGTGGCCAGATTACATTTGTCTTT 1620
1576 CCCAGATCGGTATGACGACGACGATTAAGAGTGGCCAGATTACATTTGTCTTT 1695
1575 CCCAGATCGGTATGACGACGACGATTAAGAGTGGCCAGATTACATTTGTCTTT 1680
1561 GAGACCTCGTGTCTGTGTAAGTGTGACCTTACTTCAAGTGGGGGTGAATTCAGAC 1650
1560 GAGACCTCGTGTCTGTGTAAGTGTGACCTTACTTCAAGTGGGGGTGAATTCAGAC 1635
1561 GAGACCTCGTGTCTGTGTAAGTGTGACCTTACTTCAAGTGGGGGTGAATTCAGAC 1680
1560 GAGACCTCGTGTCTGTGTAAGTGTGACCTTACTTCAAGTGGGGGTGAATTCAGAC 1665
1636 GAGACCTCGTGTCTGTGTAAGTGTGACCTTACTTCAAGTGGGGGTGAATTCAGAC 1755
1635 GAGACCTCGTGTCTGTGTAAGTGTGACCTTACTTCAAGTGGGGGTGAATTCAGAC 1740
1621 AACACTCGTGTGAGAGCTGGAAAGTTTCCAAAGGCAACAGTCTATACCTACATAT 1740
1620 AACACTCGTGTGAGAGCTGGAAAGTTTCCAAAGGCAACAGTCTATACCTACATAT 1725
1696 AACACTCGTGTGAGAGCTGGAAAGTTTCCAAAGGCAACAGTCTATACCTACATAT 1815
1695 AACACTCGTGTGAGAGCTGGAAAGTTTCCAAAGGCAACAGTCTATACCTACATAT 1800
1681 GAGAGAACATCACCAGAGCTTCACTGGGCTTCCAGAGACCATCTTTCATGAGGA 1800
1680 GAGAGAACATCACCAGAGCTTCACTGGGCTTCCAGAGACCATCTTTCATGAGGA 1785
1756 GAGAGAACATCACCAGAGCTTCACTGGGCTTCCAGAGACCATCTTTCATGAGGA 1875
1755 GAGAGAACATCACCAGAGCTTCACTGGGCTTCCAGAGACCATCTTTCATGAGGA 1860
1741 AGCAGAGATACCCAGATGACGTTGCCAAAGATCTACTCCATATGCTACCAATATAG 1860
1740 AGCAGAGATACCCAGATGACGTTGCCAAAGATCTACTCCATATGCTACCAATATAG 1845
1816 AGCAGAGATACCCAGATGACGTTGCCAAAGATCTACTCCATATGCTACCAATATAG 1935
1815 AGCAGAGATACCCAGATGACGTTGCCAAAGATCTACTCCATATGCTACCAATATAG 1920
1801 AATGGCGTGGCTCTCTACTGCGCTTCTGTGGCTTGAAGCTCTGATGTGGGCTCTCC 1920
1800 AATGGCGTGGCTCTCTACTGCGCTTCTGTGGCTTGAAGCTCTGATGTGGGCTCTCC 1905
1876 AATGGCGTGGCTCTCTACTGCGCTTCTGTGGCTTGAAGCTCTGATGTGGGCTCTCC 1995
1875 AATGGCGTGGCTCTCTACTGCGCTTCTGTGGCTTGAAGCTCTGATGTGGGCTCTCC 1980
1861 TGCACCTCTGTCTCTGCTGTACTATATTTAGCCGAGATTCAGAACTGGCACCTCTGC 1980
1860 TGCACCTCTGTCTCTGCTGTACTATATTTAGCCGAGATTCAGAACTGGCACCTCTGC 1965
1936 TGCACCTCTGTCTCTGCTGTACTATATTTAGCCGAGATTCAGAACTGGCACCTCTGC 2055
1935 TGCACCTCTGTCTCTGCTGTACTATATTTAGCCGAGATTCAGAACTGGCACCTCTGC 2040
1921 CCCCCTAACCAATTCGAAAGCCACACACCTTATGAGTGTCCAGGCTGTGTGCCCTCTCA 2040
1920 CCCCCTAACCAATTCGAAAGCCACACACCTTATGAGTGTCCAGGCTGTGTGCCCTCTCA 2025
1996 CCCCCTAACCAATTCGAAAGCCACACACCTTATGAGTGTCCAGGCTGTGTGCCCTCTCA 2115
1995 CCCCCTAACCAATTCGAAAGCCACACACCTTATGAGTGTCCAGGCTGTGTGCCCTCTCA 2100
1981 GGTCCAGGAGCCAAAGAACCAAGATTCACCTCTGTGTGATCATATATGACCTCTCA 2100
1980 GGTCCAGGAGCCAAAGAACCAAGATTCACCTCTGTGTGATCATATATGACCTCTCA 2085
2056 GGTCCAGGAGCCAAAGAACCAAGATTCACCTCTGTGTGATCATATATGACCTCTCA 2175
2055 GGTCCAGGAGCCAAAGAACCAAGATTCACCTCTGTGTGATCATATATGACCTCTCA 2160
2041 CGGACATCCCAACAGGACTTTCACATCAATCTTCCGCTTTGGAAACACCTGACCT 2160
2040 CGGACATCCCAACAGGACTTTCACATCAATCTTCCGCTTTGGAAACACCTGACCT 2145
2116 CGGACATCCCAACAGGACTTTCACATCAATCTTCCGCTTTGGAAACACCTGACCT 2235
2115 CGGACATCCCAACAGGACTTTCACATCAATCTTCCGCTTTGGAAACACCTGACCT 2220
2101 CTTCGTGAGGAGCCAAAGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2220
2100 CTTCGTGAGGAGCCAAAGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2205
2176 CTTCGTGAGGAGCCAAAGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2295
2175 CTTCGTGAGGAGCCAAAGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2280
2161 AGTCTCTGTGGAACCAAGGTTAGAAATATGTTGTGTGACCGAATGTCCATGACCTC 2280
2160 AGTCTCTGTGGAACCAAGGTTAGAAATATGTTGTGTGACCGAATGTCCATGACCTC 2265
2236 AGTCTCTGTGGAACCAAGGTTAGAAATATGTTGTGTGACCGAATGTCCATGACCTC 2355
2235 AGTCTCTGTGGAACCAAGGTTAGAAATATGTTGTGTGACCGAATGTCCATGACCTC 2340
2221 CGGATTCCTGAGGAGTACAGGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2340
2220 CGGATTCCTGAGGAGTACAGGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2325
2296 CGGATTCCTGAGGAGTACAGGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2415
2295 CGGATTCCTGAGGAGTACAGGTTTCCAAATCTATCACAGCTACAGTGTCCAGGCTCA 2400
2281 GTATCATATCCCCCAGAGGTGACAGGCTTCAAGGCGCGGGGTTTCTCACAGCTGTAC 2400
2280 GTATCATATCCCCCAGAGGTGACAGGCTTCAAGGCGCGGGGTTTCTCACAGCTGTAC 2385
2356 GTATCATATCCCCCAGAGGTGACAGGCTTCAAGGCGCGGGGTTTCTCACAGCTGTAC 2475
2355 GTATCATATCCCCCAGAGGTGACAGGCTTCAAGGCGCGGGGTTTCTCACAGCTGTAC 2460
2341 CTTCGTGATCGATTTATTTGGGTGACAAAGATATGATCTGTGATGGAATCACCTCCCA 2460
2340 CTTCGTGATCGATTTATTTGGGTGACAAAGATATGATCTGTGATGGAATCACCTCCCA 2445
2416 CTTCGTGATCGATTTATTTGGGTGACAAAGATATGATCTGTGATGGAATCACCTCCCA 2535
2415 CTTCGTGATCGATTTATTTGGGTGACAAAGATATGATCTGTGATGGAATCACCTCCCA 2520
2401 GGTGAACTTTTCACAGGAGTCTTTGGATATACCGAGCTGTATCTCTTTATAGTCC 2520
2400 GGTGAACTTTTCACAGGAGTCTTTGGATATACCGAGCTGTATCTCTTTATAGTCC 2505
2476 GGTGAACTTTTCACAGGAGTCTTTGGATATACCGAGCTGTATCTCTTTATAGTCC 2595
2475 GGTGAACTTTTCACAGGAGTCTTTGGATATACCGAGCTGTATCTCTTTATAGTCC 2580
2461 AATGATGTGACCAAGTCTCTGAGTTTGGAGATTCACCAACCATCCAGCTCAGGTGAGT 2580
2460 AATGATGTGACCAAGTCTCTGAGTTTGGAGATTCACCAACCATCCAGCTCAGGTGAGT 2565
2536 AATGATGTGACCAAGTCTCTGAGTTTGGAGATTCACCAACCATCCAGCTCAGGTGAGT 2655
2535 AATGATGTGACCAAGTCTCTGAGTTTGGAGATTCACCAACCATCCAGCTCAGGTGAGT 2640
2521 CCAAGGAAATCTGCTCTGGAAGTTTGTGCTGCCAGGAACTGTCAATGTGAGCACTGT 2655
2520 CCAAGGAAATCTGCTCTGGAAGTTTGTGCTGCCAGGAACTGTCAATGTGAGCACTGT 2640
2596 CCAAGGAAATCTGCTCTGGAAGTTTGTGCTGCCAGGAACTGTCAATGTGAGCACTGT 2655
2595 CCAAGGAAATCTGCTCTGGAAGTTTGTGCTGCCAGGAACTGTCAATGTGAGCACTGT 2640

[illegible]

us-10-046-433-39.rng

[illegible][illegible]

... and autoimmune disease -
The present -

Best Local Similarity 97.7%; Score 3250
Matches 3277; 9, 151 T; 0 other;

[illegible]

AGACTGAGAGGGCGATACCCCGCGCTTTT
|||||

AGACTGAGAGGGCGATACCCCGCGCTTTT
|||||

93 AGAAGCTGAGAGCGCGCATACCGCGCTGTGAGGAGACCGCTTC 166

153 CAGGTGACCCCAAGGAAACGGGACCGGAGCTTCACGGCTGCA 152

226 GAGTACACGCGGTGTCACCGAGCTTCATGCGCTCAGAGGTGCTGATACCACTAT 225

213 GAGTACACGGCGTGTGACAGCACCGGTTCCAGGTGAGGGGTGCGCCGCGCATAGCTAT 212

286 GGCCTGTGACAGCCATGCCCTGACCCCCTCAACC
.....TTCAGTGAGGGCTCCCCCCTCG 285

|||||
|||
273 GGCTTCCCCAATGTTGCTGCGCATACCCCG 372

346 GCCGGGACCTTTTTCAGGCACCGAGTGCTCCTCTCTCTCAAC 345

333 GCGGGAGTTTCTGGATTTTCTTTCTCTCTCTGCAAC 332

406 TCCCTCGGACAGGCATTTCGGTTTCTTCTTATGTAAGGACCAGTCATGTAAAGCATTGCGCTGAGGCCCTTAC 405

393 TCCCTGGCAGGACATTCGGTTTGATGACTGCCTTGGCACC AC
.....GAGGTGGAGTAGCTGCCCATGGCTTTGGCACC AC

453 CTTCTACCCGTTTTGACAGC 452
 |||||
 CACTGAGCTGATGACAGTCTGCTGACGCGC
 CACTGAGCTGATGACAGTCTGCTGACGCGC 405

526 TCCAGTGGGTTCCCCCGCCTGCCTGACAGTCGATGACGTGCTGCTGAGTCCACCGGAACTGTA
525

13 TCCAAAGTGGGTTCCCGGGGGCTTTCACACAGGACGAGTATGCA 512

86 CTGATGTACGGCGGTCAACCTGATGAGCAATGCGG-
-GCGGCTTACATCGCCCTCCACACGAGGATGACAGGCGACA 585

CTGATGTACGCCGTCACCTGAGACAATCTGGCAACCCTT
CTCATCTGCACCCGTTAACTTGGAATTACTACTATCGA

3 GACTCAGGACCTTTTTCGTTCAGAATGACCATTCCCA 632

.....CAICITTTGAGCTTTTTCGTTCCAGATGACACAGTGGCCAGCGT
TCCAGTCCAGCCCAATGAGAT 705

...GCCCCAATGCAGAT 692

Oy 706 GACTCCAGGTGGATGAAGACACAGAGAAAGATGGAAATTCACAGGTGGAGCTAAAT 766
 Db 693 GACTCCAGGTGGATGAAGACACAGAGAAAGATGGAAATTCACAGGTGGAGCTAAAT 766
 Oy 766 CGAGCAATTAATGTCCTCTAATTTGGAGAACCCAGGCTTCTCAGTAATGACCAAAATGCC 753
 Db 753 CGAGCAATTAATGTCCTCTAATTTGGAGAACCCAGGCTTCTCAGTAATGACCAAAATGCC 753
 Oy 826 AACCTGTCTGTGGAGAAACATTCGCAATAACAGGGGTGGCCCTACCTTCAGAAATCTTC 825
 Db 813 AACCTGTCTGTGGAGAAACATTCGCAATAACAGGGGTGGCCCTACCTTCAGAAATCTTC 825
 Oy 886 CCTTCGAACCTTGGACAGGTATGACAGAACAGAGGCTCTCTTTTCGCAAACTTTGGCCA 872
 Db 873 CCTTCGAACCTTGGACAGGTATGACAGAACAGAGGCTCTCTTTTCGCAAACTTTGGCCA 872
 Oy 946 GCCAACTCTTATTCAAATTAAGAGAAACTCTTTCGACAGTGGACCTTCGCAAACTTTGGCCA 945
 Db 933 GCCAACTCTTATTCAAATTAAGAGAAACTCTTTCGACAGTGGACCTTCGCAAACTTTGGCCA 932
 Oy 1006 TCAGGAAGAAGATCTCTTCCTGTAAAGTGGCCGACGTTCCACACAGTAATGCAATATAC 1005
 Db 993 TCAGGAAGAAGATCTCTTCCTGTAAAGTGGCCGACGTTCCACACAGTAATGCAATATAC 992
 Oy 1066 TCACACACAGAGGCTGCGATGTCGAACGAGAGACACAACTCATATGCAATATATTC 1065
 Db 1053 TCACACACAGAGGCTGCGATGTCGAACGAGAGACACAACTCATATGCAATATATTC 1052
 Oy 1126 CGAAATCTGTATGCGAGGACCTTGAGGGGGCAGTGAAGCTGCGCTGCTGTGTGAAG 1125
 Db 1113 CGAAATCTGTATGCGAGGACCTTGAGGGGGCAGTGAAGCTGCGCTGCTGTGTGAAG 1112
 Oy 1186 ACCGACTGCGCACCTCTGCAACCCAGGCTTCTTCAAAACCAACAAACAGCACTGCGTGAAG 1185
 Db 1173 ACCGACTGCGCACCTCTGCAACCCAGGCTTCTTCAAAACCAACAAACAGCACTGCGTGAAG 1172
 Oy 1246 TCGCAATATGTTCTCTCACTCAATAGGCTGACAGCTTACCCGCTGCGCTGCAAGAGCA 1245
 Db 1233 TCGCAATATGTTCTCTCACTCAATAGGCTGACAGCTTACCCGCTGCGCTGCAAGAGCA 1232
 Oy 1306 CTGCTGTGGATTTGAATTAACAATATGTTGAACAAGCTCTCCCAACAAATGGAAGAGC 1305
 Db 1293 CTGCTGTGGATTTGAATTAACAATATGTTGAACAAGCTCTCCCAACAAATGGAAGAGC 1292
 Oy 1366 GTTCTCACTGGAGTAACAATCTGAGTAACAAGGCTATGACAGGCTGGAGGCTGCTGAT 1365
 Db 1353 GTTCTCACTGGAGTAACAATCTGAGTAACAAGGCTATGACAGGCTGGAGGCTGCTGAT 1352
 Oy 1426 CACATTTTACACAGGCTGCGAGGCTCAGACAAATACATCTCTGATTCCTACCTGTGGTG 1425
 Db 1413 CACATTTTACACAGGCTGCGAGGCTCAGACAAATACATCTCTGATTCCTACCTGTGGTG 1412
 Oy 1486 CAGGATTTTAACTCTCGCAGTGGTGGTGGGCAAGACAGAGAAATTAAGAGGTGGCCAGA 1485
 Db 1473 CAGGATTTTAACTCTCGCAGTGGTGGTGGGCAAGACAGAGAAATTAAGAGGTGGCCAGA 1472
 Oy 1546 ATCACTATTTGTCTTTGGAGACCTCTGTTCTGTGAATCTGAGCTCTACTTCATGTTGGGT 1545
 Db 1533 ATCACTATTTGTCTTTGGAGACCTCTGTTCTGTGAATCTGAGCTCTACTTCATGTTGGGT 1532
 Oy 1606 GTGAATTTTGAAGCAACACTCTGTGTGAACCTGTGAAGAGGTTCCAAAGGCAAACTGCC 1605
 Db 1593 GTGAATTTTGAAGCAACACTCTGTGTGAACCTGTGAAGAGGTTCCAAAGGCAAACTGCC 1592
 Oy 1666 TATACCTACATCAATTTGGAGAACTATACAGAGCTTCAACCTGGCTTCAGAGAGAC 1665
 Db 1653 TATACCTACATCAATTTGGAGAACTATACAGAGCTTCAACCTGGCTTCAGAGAGAC 1652
 Oy 1726 ACTTTTCACTGAGGCAAGCAAGATGACATGACGTTGGCAAGATTTACTCCATCAAT 1725
 Db 1713 ACTTTTCACTGAGGCAAGCAAGATGACATGACGTTGGCAAGATTTACTCCATCAAT 1712
 Oy 1772 ACTTTTCACTGAGGCAAGCAAGATGACATGACGTTGGCAAGATTTACTCCATCAAT 1772

Med Mar 12 10:08:32 2003

us-10-046-433-39.rng

1786 GTACACCAATGTTATGAATGCGGTGCGCTCTACTGCGCCGCTCCCTGCTGCAAGGCTCT 1845
1773 GTACACCAATGTTATGAATGCGGTGCGCTCTACTGCGCCGCTCCCTGCTGCAAGGCTCT 1832
1846 GATGTGGGCTCTCTGCAACCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1892
1833 GATGTGGGCTCTCTGCAACCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1965
1906 ACCTGCACTCTGCGCCCTTACCAACATCTGCAACATCTGCAACATCTGCAACATCTG 1952
1893 ACCTGCACTCTGCGCCCTTACCAACATCTGCAACATCTGCAACATCTGCAACATCTG 2025
1966 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2085
1953 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2072
2026 GATGTGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2145
2013 GATGTGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2132
2086 GCAACACGCTGCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2205
2073 GCAACACGCTGCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2192
2146 GATGTGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2192
2133 GATGTGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2265
2206 AATGTGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2252
2193 AATGTGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2235
2266 TACGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2312
2253 TACGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2385
2326 TACGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2372
2313 TACGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2445
2386 GGAATGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2432
2373 GGAATGACCTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2505
2446 TTTCTTTATGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2492
2433 TTTCTTTATGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2565
2506 CCGGTGCACTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2552
2493 CCGGTGCACTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2525
2566 TACGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2612
2553 TACGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2685
2626 CCGGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2672
2613 CCGGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCT 2745
2686 AAGACTACTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACT 2732
2673 AAGACTACTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACT 2805
2746 CAGAGAGTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACG 2792
2733 CAGAGAGTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACG 2865
2806 ACCTGTACCTGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAAC 2852
2793 ACCTGTACCTGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAAC 2925
2866 CTAGAGTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2925

2853 CTAGAGTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 2912
2926 GCAGTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACT 2972
2913 GCAGTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACT 3044
2986 ACAGAGAA-TCAGTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACG 3032
2973 ACAGAGAA-TCAGTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACG 3104
3045 TTTGACTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACT 3092
3033 TTTGACTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACT 3164
3105 CTGCTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCA 3152
3093 CTGCTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCA 3224
3165 GGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAAC 3212
3153 GGTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAAC 3284
3225 TTTGACTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 3272
3213 TTTGACTACCATCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCA 3334
3285 CTGCTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCA 3322
3273 CTGCTGCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCAACGCACTCTGCA 3322

RESULT 5
ID AAF89774 standard; DNA: 2733 BP.
AC AAF89774;
XX 23-JUL-2001 (first entry)
XX Nucleotide sequence of a human protein expressed in tumour cells.
XX DE
XX Tumour cell; immunological disease; autoimmune disease; cancer;
XX KW
XX Infection; ss.
XX OS
XX Homo sapiens.
FH key location/Qualifiers
FT 1-2733
FT /tag= a
FT CDS /product= "tumour expressed protein"
XX
XX WO200131003-A1.
XX PN
XX PD 03-MAY-2001.
XX PF 30-OCT-2000; 2000MO-FR03032.
XX PR 29-OCT-1999; 99FR-0013629.
XX PA (FABR) FABRE MEDICAMENT SA PIERRE.
XX Delneste Y, Magistrelli G, Jeannin P, Bonnefoy J;
XX WPI: 2001-328651/34.
XX P-PSDB: AAB83850.
XX DR New nucleic acid, expressed in tumours and lymphoid tissue is useful for
XX PT Identifying agents for treating tumours and autoimmune disease -
XX PS Claim 2: Page 56-60; 85pp; French.
XX CC The present sequence encodes a human protein expressed in tumour cells.

CC The polynucleotide is useful for screening cDNA/genomic DNA banks and
 CC for cloning isolated DNA, identifying mutant forms of the gene that
 CC encodes a human protein, where the mutations are associated with
 CC abnormal gene expression, or promoters and regulators of the gene that
 CC protein; as probes and primers for recombinant expressions of the gene,
 CC as antisense therapeutics. The tumour expressed and amplification,
 CC activity, bind to it or interact with it. These agents are potentially
 CC useful for treatment or prevention of diseases associated with abnormal
 CC expression/activity of the protein, particularly immunological diseases
 CC (autoimmune diseases and cancer) or viral, bacterial, fungal or parasitic
 CC infections.

Sequence 2733 BP; 656 A; 783 C; 687 G; 607 T; 0 other;

Query Match Best Local Similarity 81.8%; Score 2726.6; DB 22; Length 2733;

Matches 2729; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 58 ATGGCTGAGCTGGGCAAGCCACCATCTCCGCCAGATCAAGGGAAGAACTGAGAG 117
 DB 1 ATGGCTGAGCTGGGCAAGCCACCATCTCCGCCAGATCAAGGGAAGAACTGAGAG 117
 QY 118 CGAATACCCGGCTGTGGGCGGCTGTCTCTGGGCTGGGAGACCGCTTCCAGTACCCAG 60
 DB 61 CGCATACCCGGCTGTGGGCGGCTGTCTCTGGGCTGGGAGACCGCTTCCAGTACCCAG 60
 QY 178 GGAAGGGAACGAGACTTCAAGCTCCCAAGAGTCTGATACCACTVATGATACAGGAG 177
 DB 121 GGAAGGGAACGAGACTTCAAGCTCCCAAGAGTCTGATACCACTVATGATACAGGAG 177
 QY 238 TGTGACAGCAGCGGTTTCAGAGTGGAGGGTCCGCGCGCATACCCCGGGCGCTGTGAC 237
 DB 181 TGTGACAGCAGCGGTTTCAGAGTGGAGGGTCCGCGCGCATACCCCGGGCGCTGTGAC 180
 QY 298 AGCCTGCTGACCCCGTCAGAGGCGACAGAGTCTCTTCTCTGCAAGCGCGGAGTTT 240
 DB 241 AGCCTGCTGACCCCGTCAGAGGCGACAGAGTCTCTTCTCTGCAAGCGCGGAGTTT 240
 QY 358 CTGGAATGAAAGACAGTCTATGTAAGCCATGCGCTGAGGGCGGCTTCTCTGCAAGCG 300
 DB 301 CTGGAATGAAAGACAGTCTATGTAAGCCATGCGCTGAGGGCGGCTTCTCTGCAAGCG 300
 QY 418 GGCATTGCGTTTATGATGGAGTGGAGTGGCCCATGGCTTTCAGAGCTCTACAGCAG 417
 DB 361 GGCATTGCGTTTATGATGGAGTGGAGTGGCCCATGGCTTTCAGAGCTCTACAGCAG 417
 QY 478 ATGAGCTGAGTACAGTCTCTGATGAGTCAACCGGACAGTCTGATCTGCAAGTGGTT 420
 DB 421 ATGAGCTGAGTACAGTCTCTGATGAGTCAACCGGACAGTCTGATCTGCAAGTGGTT 420
 QY 538 CCCCCGGGCGACTACATCGCTCCAAACAGGAGAACTGATCTGTCMAAGTGGTT 480
 DB 481 CCCCCGGGCGACTACATCGCTCCAAACAGGAGAACTGATCTGTCMAAGTGGTT 480
 QY 598 GTCAACTGAAGCAATCTGCAACCGTTAACTTCAATGATCAATCAAGTCTCCAGATC 540
 DB 541 GTCAACTGAAGCAATCTGCAACCGTTAACTTCAATGATCAATCAAGTCTCCAGATC 540
 QY 658 ATCTTGAAGTTTCTGATGATGACAGAGGCGACCAATGAGATGACATCCAGATG 600
 DB 601 ATCTTGAAGTTTCTGATGATGACAGAGGCGACCAATGAGATGACATCCAGATG 600
 QY 718 ATGAACACCAAGAGATGGGAATTCACAGTGTGAGTCAATATCCAGGCAATAT 777
 DB 661 ATGAACACCAAGAGATGGGAATTCACAGTGTGAGTCAATATCCAGGCAATAT 777
 QY 778 GTCTCTATTTGAGAACCAAGCTTCTGATGATGAGCAAGAGTCAAGCTGTGCTG 720
 DB 721 GTCTCTATTTGAGAACCAAGCTTCTGATGATGAGCAAGAGTCAAGCTGTGCTG 720
 QY 838 GTGAGAAACATTCGCAATACAGGGGTGCTACACTTCAAGATGCTCCCTGCAAACT 897

DB 781 GTGAGAAACATTCGCAATACAGGGGTGCTACACTTCAAGATGCTCCCTGCAAACT 840
 QY 898 GGCACGATGACAGACAGAGGCTCCCTTTTGTGCAAACTTTGGCCAGCCACTGTAT 957
 DB 841 GGCACGATGACAGACAGAGGCTCCCTTTTGTGCAAACTTTGGCCAGCCACTGTAT 957
 QY 958 TCAAAATGAAGAGAACTCTTTCAGACAGTGTGACCTGTCAAAATCTGAGAAAGA 1017
 DB 901 TCAAAATGAAGAGAACTCTTTCAGACAGTGTGACCTGTCAAAATCTGAGAAAGA 1017
 QY 1018 TCTTCTCTGATTAACGTTGGGCGCCAGCTGTGACAGACAAAGATTTATTTTACACAC 960
 DB 961 TCTTCTCTGATTAACGTTGGGCGCCAGCTGTGACAGACAAAGATTTATTTTACACAC 960
 QY 1078 GCTGTGATGCGCAGGAGAGACAGCAAACTATGATGAGGCGCAAGCCGAAATGTGT 1137
 DB 1021 GCTGTGATGCGCAGGAGAGACAGCAAACTATGATGAGGCGCAAGCCGAAATGTGT 1137
 QY 1138 AGCAGAGACTTGTAGGAGGAGAGAGTGAAGCTGCTGCTGTGATGAGACCCACTGCCA 1197
 DB 1081 AGCAGAGACTTGTAGGAGGAGAGAGTGAAGCTGCTGCTGTGATGAGACCCACTGCCA 1197
 QY 1198 CCTGTCAACCCAGGCTTCTTCAAAACCAACAGACACTGTGCAAGCCCTGCCATATGT 1257
 DB 1141 CCTGTCAACCCAGGCTTCTTCAAAACCAACAGACACTGTGCAAGCCCTGCCATATGT 1257
 QY 1258 TCTTACTCCAAATGCTGACAGTGAACCGCTGCGCGCTGAGAGGAGTGAACCTGTGGA 1200
 DB 1201 CCTTACTCCAAATGCTGACAGTGAACCGCTGCGCGCTGAGAGGAGTGAACCTGTGGA 1200
 QY 1318 TTTGAATCAAAATGCTGACAGTGAACCGCTGCGCGCTGAGAGGAGTGAACCTGTGGA 1260
 DB 1261 TTTGAATCAAAATGCTGACAGTGAACCGCTGCGCGCTGAGAGGAGTGAACCTGTGGA 1260
 QY 1378 ATCAACTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1377
 DB 1332 ATCAACTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1377
 QY 1438 GCTGCTGAGACCTCAACAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1437
 DB 1381 GCTGCTGAGACCTCAACAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1437
 QY 1498 CCTGCGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440
 DB 1441 CCTGCGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440
 QY 1558 TTTGAGACCTCTGTTCTGTAACCTGTGATGATGATGATGATGATGATGATGATGAT 1557
 DB 1501 TTTGAGACCTCTGTTCTGTAACCTGTGATGATGATGATGATGATGATGATGATGATGAT 1557
 QY 1618 ACCAACTCTGTTGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1617
 DB 1561 ACCAACTCTGTTGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1617
 QY 1678 ATTGAGAGAAACATTCGCAACCGTTCACTGATGATGATGATGATGATGATGATGAT 1620
 DB 1621 ATTGAGAGAAACATTCGCAACCGTTCACTGATGATGATGATGATGATGATGATGATGAT 1620
 QY 1738 GCAACGAGAGTACACCAATGACGTTGCAAGATCTACTGATGATGATGATGATGATGAT 1737
 DB 1681 GCAACGAGAGTACACCAATGACGTTGCAAGATCTACTGATGATGATGATGATGATGATGAT 1737
 QY 1798 ATGAATGCGTGTGCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1740
 DB 1741 ATGAATGCGTGTGCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1740
 QY 1858 TCTGTGACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1857
 DB 1801 TCTGTGACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1857
 QY 1918 TGCCCGCTTACCAATTTGAAAGCCGAGCTTATGAGTGTGAGGCTGTGCTGCTGCTGCTG 1917
 DB 1918 TGCCCGCTTACCAATTTGAAAGCCGAGCTTATGAGTGTGAGGCTGTGCTGCTGCTGCTGCTG 1917

Wed Mar 12 10:08:32 2003

Db 1861 TCCCCCTTAACACATTTCTGAAGCCACACAGCTTATGGTGTCCAGGCTGTGCCCC 1920
Oy 1978 TGTGTCAGGAGGACCAAGAACACAGATTCATCTGTGTCTACATAGATTTGACCTTC 2037
Db 1921 TGTGTCAGGAGGACCAAGAACACAGATTCATCTGTGTCTACATAGATTTGACCTTC 1980
Oy 2038 TCACGCAACACTCCACACAGGACTTTCACTACACCTTCCTCCGCTTTGGCAACACGCTC 2040
Db 1981 TCACGCAACACTCCACACAGGACTTTCACTACACCTTCCTCCGCTTTGGCAACACGCTC 2157
Oy 2098 ACTCTGTCGAGGAGGCAAGCTTCACTTCAAGGGTTGAAATCTTCCATCACTTTACC 2100
Db 2041 ACTCTGTCGAGGAGGCAAGCTTCACTTCAAGGGTTGAAATCTTCCATCACTTTACC 2217
Oy 2158 CTCAGTCTGTGGAACACAGGCTTGAAGAAATGTCTGTGTGTCACACAGCTTCTGCCAG 2160
Db 2101 CTCAGTCTGTGGAACACAGGCTTGAAGAAATGTCTGTGTGTCACACAGCTTCTGCCAG 2277
Oy 2218 CTCGGAATTCCTGAGGGTGTGAGTGTCTCCAAATCTATCAAGCTTCTGCCAG 2220
Db 2161 CTCGGAATTCCTGAGGGTGTGAGTGTCTCCAAATCTATCAAGCTTCTGCCAG 2337
Oy 2278 GCAGTCAATCCCTCCAGAGAGTGTGAGCTACAGGCTTCTCCAGCTTCTGCCAG 2280
Db 2221 GCAGTCAATCCCTCCAGAGAGTGTGAGCTACAGGCTTCTCCAGCTTCTGCCAG 2397
Oy 2338 AGCTTGTGTGATGACTTATTTGGGGTGACAAAGATATGACTCTGTGATGATATCCTCC 2340
Db 2281 AGCTTGTGTGATGACTTATTTGGGGTGACAAAGATATGACTCTGTGATGATATCCTCC 2457
Oy 2398 CCAAGTCAATCCCTCCAGAGAGTGTGAGCTTCTCCAGCTTCTGCCAG 2400
Db 2341 CCAAGTCAATCCCTCCAGAGAGTGTGAGCTTCTCCAGCTTCTGCCAG 2517
Oy 2458 TCCATATGATGTGACCCAGCTTCTGAGGATGATGATGATGATGATGATGATGATGATG 2460
Db 2401 TCCATATGATGTGACCCAGCTTCTGAGGATGATGATGATGATGATGATGATGATGATG 2577
Oy 2518 AGTCCACAGAAACTGTCCCTGAGAGTGTGAGGATGATGATGATGATGATGATGATGATG 2520
Db 2461 AGTCCACAGAAACTGTCCCTGAGAGTGTGAGGATGATGATGATGATGATGATGATGATG 2637
Oy 2578 TGTGATGCTGCACTTCTGAGGAGTGTGAGGATGATGATGATGATGATGATGATGATG 2580
Db 2521 TGTGATGCTGCACTTCTGAGGAGTGTGAGGATGATGATGATGATGATGATGATGATG 2697
Oy 2638 GTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2640
Db 2581 GTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2757
Oy 2698 GTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2700
Db 2641 GTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2757
Oy 2758 ATCTGCAAAACCATATGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2790
Db 2701 ATCTGCAAAACCATATGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2733

RESULT 6
AAF89775
ID AAF89775 standard; DNA: 2610 BP.
XX AAF89775:
AC 23-JUL-2001 (first entry)
XX Nucleotide sequence of a human protein expressed in tumour cells.
XX Tumour cell: immunological disease; autoimmune disease; cancer;
XX Infection; ss.
XX Homo sapiens.
XX OS

XX Key Location/Qualifiers
FH 1..2610
FT CDS /tag="a" "tumour expressed protein"
FT /product="tumour expressed protein"
WT0200131003-A1.
PD 03-MAY-2001.
PF 30-OCT-2000; 2000MO-FR03032.
PR 29-OCT-1999; 99FR-0013629.
PA (FABR) FABRE MEDICAMENT SA PIERRE.
PI Delneste Y, Magistrelli G, Jeannin P, Bonnefoy J;
PT WPI: 2001-328651/34.
PT P-PSDB; AAB83651.
PS New nucleic acid, expressed in tumours and lymphoid tissue is useful for
identifying agents for treating tumours and autoimmune disease
Claim 2: Page 63-67; 85pp; French.
The present sequence encodes a human protein expressed in tumour cells.
The polynucleotide is useful for screening cDNA/genomic DNA banks and
for cloning isolated DNA; identifying mutant forms of the gene that
encodes a human protein, where the mutations and regulators of the gene,
abnormal gene expression, or promoters and regulators of the gene,
CC particularly for diagnosis; for recombinant expression and amplification; and
CC protein; as probes and primers for detection and amplification; and
CC as antisense therapeutics. The tumour expressed protein is useful for
CC raising specific antibodies and to screen agents that modulate its
CC activity, bind to it or interact with it. These agents are potentially
CC useful for treatment or prevention of diseases associated with abnormal
CC expression/activity of the protein, particularly immunological diseases
CC (autoimmune diseases and cancer) or viral, bacterial, fungal or parasitic
CC infections.
SQ Sequence 2610 BP; 634 A; 744 C; 644 G; 588 T; 0 other;
Query Match 78.1%; Score 2603.6; DB 22; Length 2610;
Best Local Similarly 99.8%; Pred. No. 0; Mismatches 4; Indels 0; Gaps 0;
Matches 2606; Conservative

Oy 181 ACGGACCGAGCTTCAAGGCTGAGGAGTCCGCTGCGCATACCCGGGCTGTGCACAGC 300
Db 1 ACGGACCGAGCTTCAAGGCTGAGGAGTCCGCTGCGCATACCCGGGCTGTGCACAGC 60
Oy 241 GACAGCAGCGGCTTCAAGGCTGAGGAGTCCGCTGCGCATACCCGGGCTGTGCACAGC 120
Db 61 GACAGCAGCGGCTTCAAGGCTGAGGAGTCCGCTGCGCATACCCGGGCTGTGCACAGC 360
Oy 301 CTCGCTGACCCGCTCAAGGCTGAGGAGTCCGCTGCGCATACCCGGGCTGTGCACAGC 420
Db 121 CTCGCTGACCCGCTCAAGGCTGAGGAGTCCGCTGCGCATACCCGGGCTGTGCACAGC 180
Oy 361 GATATGAAGGACAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 240
Db 181 GATATGAAGGACAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 480
Oy 421 ATTCGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 300
Db 241 ATTCGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 540
Oy 481 GAGCTGATGACAGTGTGCTGAGTCCACCGGGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Db 301 GAGCTGATGACAGTGTGCTGAGTCCACCGGGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Oy 541 CGGGGCGATATGATGCTTCAACAGCAGGATGATGATGATGATGATGATGATGATGATGATG 600

| | | | |
|----|------|---|--|
| Qy | 1681 | GAGGAGAACTACTACAGAGCTTCACTGAGGGCTTCCAGAGGACACTTTTCATGAGGC | |
| Db | 1501 | GAGGAGAAACACTACAGAGGACTTCACTGGGGCTTCCAGAGGACACTTTTCATGAGGC | |
| Qy | 1741 | AGCAGGAAGTACCAATACGTTTGCAGAGTACTCCATCAATGTACCAATGTTATG | |
| Db | 1561 | AGCAGGAAGTACCAATACGTTTGCAGAGTACTCCATCAATGTACCAATGTTATG | |
| Qy | 1801 | AATGGCGTGGCTCCTACTGCGGCTCCCTGTGGCCCTAGAAAGCTGTGATGTGGCTCTCC | |
| Db | 1621 | AATGGCGTGGCTCCTACTGCGGCTCCCTGTGGCCCTAGAAAGCTGTGATGTGGCTCTCC | |
| Qy | 1861 | TGCACCTCTTGTCTGTGGTACTATATTTGACCGAGATTCAGAGACCTGCCACTCTGC | |
| Db | 1681 | TGCACCTCTTGTCTGTGGTACTATATTTGACCGAGATTCAGAGACCTGCCACTCTGC | |
| Qy | 1921 | CCCCCAACACAAATCTGAAAGCCACAGCCTTATGGTGTCCAGGCGCTGTGCCCTGT | |
| Db | 1741 | CCCCCAACACAAATCTGAAAGCCACAGCCTTATGGTGTCCAGGCGCTGTGCCCTGT | |
| Qy | 1981 | GGTCCAGGAGCAAGAACAAACAGATTCACCTGTGTGCTACATGATTTGACCTTTGCA | |
| Db | 1801 | GGTCCAGGAGCAAGAACAAACAGATTCACCTGTGTGCTACATGATTTGACCTTTGCA | |
| Qy | 2041 | CGCAACACTCAACACAGGACTTTCACCTACACCTTCCGCTTTGGCAACACCGTCACT | |
| Db | 1861 | CGCAACACTCAACACAGGACTTTCACCTACACCTTCCGCTTTGGCAACACCGTCACT | |
| Qy | 2101 | CTTGTGAGAGGCGCAAGCTTACTTCCAAAGGGTTGAAATTCCTTCACCTTTACCCCT | |
| Db | 1921 | CTTGTGAGAGGCGCAAGCTTACTTCCAAAGGGTTGAAATTCCTTCACCTTTACCCCT | |
| Qy | 2161 | AGTCTCTGTGGAACACAGGAGGAGAAATGTGTGTGTGCACCCGACATGTCACTAGCCT | |
| Db | 1981 | AGTCTCTGTGGAACACAGGAGGAGAAATGTGTGTGTGTGCACCCGACATGTCACTAGCCT | |
| Qy | 2221 | CGGATTTCCGAGGGGTGAGTGTAGGCTTCTCCAAATTCATCAGCCTCAAGCTTGGCAGCA | |
| Db | 2041 | CGGATTTCCGAGGGGTGAGTGTAGGCTTCTCCAAATTCATCAGCCTCAAGCTTGGCAGCA | |
| Qy | 2281 | GTCAATCATCCCCCAGAGGTGACAGGCTACAGGCGAGGGTTTCCACACAGCTGTGAGC | |
| Db | 2101 | GTCAATCATCCCCCAGAGGTGACAGGCTACAGGCGAGGGTTTCCACACAGCTGTGAGC | |
| Qy | 2341 | CTTGTCTATGCACTATTGGGGGTGACAAGATATATACCTGTGATGAAATCACCCTCCCA | |
| Db | 2161 | CTTGTCTATGCACTATTGGGGGTGACAAGATATATACCTGTGATGAAATCACCCTCCCA | |
| Qy | 2401 | GCTGAACCTTTCACACTGAGATCCTTGGGAATACCGGAGTGAATCCTTTTATAGTGC | |
| Db | 2221 | GCTGAACCTTTCACACTGAGATCCTTGGGAATACCGGAGTGAATCCTTTTATAGTGC | |
| Qy | 2461 | AATGATGTGACCAAGTCCGTGCAAGTTTGGGAGATTAACACACATCCGGCTCAGGTGACGT | |
| Db | 2281 | AATGATGTGACCAAGTCCGTGCAAGTTTGGGAGATTAACACACATCCGGCTCAGGTGACGT | |
| Qy | 2521 | CCACGAAAACTGTCCCTGGAATTTTGGCTGCCAGAGACGTCTCAGATGGAGCTGT | |
| Db | 2341 | CCACGAAAACTGTCCCTGGAATTTTGGCTGCCAGAGACGTCTCAGATGGAGCTGT | |
| Qy | 2581 | GATGGCTGCAACTTCCACTCTCTGTGGAGAGCGCGGCTGTGGCCGCTGTGCTCACTG | |
| Db | 2401 | GATGGCTGCAACTTCCACTCTCTGTGGAGAGCGCGGCTGTGGCCGCTGTGCTCACTG | |
| Qy | 2641 | GCTGACTACATGCTATGTGTCAGCAGCTGTGTGGCTGGGATTCAGAAAGACTTACTTACGT | |
| Db | 2461 | GCTGACTACATGCTATGTGTCAGCAGCTGTGTGGCTGGGATTCAGAAAGACTTACTTACGT | |
| Qy | 2701 | TGCGGAGAACCCAACTATGCTGTGGGTGGGCAATTTCTGTGCTGTGAGAGAGTACACATTC | |
| Db | 2521 | TGCGGAGAACCCAACTATGCTGTGGGTGGGCAATTTCTGTGCTGTGAGAGAGTACACATTC | |
| Qy | 2861 | TGCGGAGAACCCAACTATGCTGTGGGTGGGCAATTTCTGTGCTGTGAGAGAGTACACATTC | |
| Db | 2581 | TGCGGAGAACCCAACTATGCTGTGGGTGGGCAATTTCTGTGCTGTGAGAGAGTACACATTC | |

| Query Match | 51.1% | Score 1705; | DB 20; | Length 1717; |
|-----------------------|-----------------|---------------|-----------|--------------|
| Best Local Similarity | 99.9% | Pred. No. 0; | | |
| Matches 1716; | Conservative 0; | Mismatches 0; | Indels 1; | Gaps 1. |

| | | |
|----------------------|--------------|--------------|
| Best Local Similarly | 99.9% | Freq. NO. 0; |
| Matches 1716; | Conservative | 0; |
| | Mismatches | 0; |
| | Indels | 1; |
| | Gaps | 1; |

1610 ATTCTAGGACCACTCTCTGTGGAGACGTGGAAGGTTCCAAGGCAACAGTCTATA 1669

```

|||||
Db 1 ATTTAGAGGACACACTCTCTGTGGAGCTGGAAAGTTCCAAAGGCAAAAGTCCTATA 60
Oy 1670 CCTACATCATGGAGAGAAACATACACAGACTTCCACTGGGCGCTCCAGAGGACCACTT 1729
Db 61 CCTACATCATTTGAGAGAAACATACACAGACTTCCACTGGGCGCTCCAGAGGACCACTT 120
Oy 1730 TTTCATGAGGCAAGCAAGAAATACCAATGACGTTGCCAAGATCTACTCCATCAATGTCA 1789
Db 121 TTTCATGAGGCAAGCAAGAAATACCAATGACGTTGCCAAGATCTACTCCATCAATGTCA 180
Oy 1790 CCAATGTTATGAATGAGGCGGCGCTCTACTGCGCTCCCTGCGCTTAGAAGCTCTGATG 1849
Db 181 CCAATGTTATGAATGAGGCGGCGCTCTACTGCGCTCCCTGCGCTTAGAAGCTCTGATG 240
Oy 1850 TGGGCTCCTCTGCACTCTTGTCTGCTGTTACTATATGACGAGATTCCAGAACCT 1909
Db 241 TGGGCTCCTCTGCACTCTTGTCTGCTGTTACTATATGACGAGATTCCAGAACCT 300
Oy 1910 GCCACTCCTGCCCCCTTAACACAAATTTGAAAGCCACAGCCTTATGTTGCCAGGCT 1969
Db 301 GCCACTCCTGCCCCCTTAACACAAATTTGAAAGCCACAGCCTTATGTTGCCAGGCT 360
Oy 1970 GTGTGCCCCGTGTGTCAGAGGCAAGAAACAAACAGATCCACTCTGTGTCTCAATGATT 2029
Db 361 GTGTGCCCCGTGTGTCAGAGGCAAGAAACAAACAGATCCACTCTGTGTCTCAATGATT 420
Oy 2030 GCACCTTCTCAGCAACACATCCACAGAGCTTTCACATCAACTCTCCGCTTTGGCAA 2089
Db 421 GCACCTTCTCAGCAACACATCCACAGAGCTTTCACATCAACTCTCCGCTTTGGCAA 480
Oy 2090 AACACGCTCACTCTGTGTGAGGCGCAAGTTTCACTTCCAAAGGTTGAAATCTTCCATC 2149
Db 481 AACACGCTCACTCTGTGTGAGGCGCAAGTTTCACTTCCAAAGGTTGAAATCTTCCATC 540
Oy 2150 ACTTTCACCTCAGTCTCTGTGAAACACAGGTTAGGAAATCTCTGTGTGACCGCAATG 2209
Db 541 ACTTTCACCTCAGTCTCTGTGAAACACAGGTTAGGAAATCTCTGTGTGACCGCAATG 600
Oy 2210 TCACTGACCTCGGATTTCTGAGGTTGAGTCAAGGTTTCCAAATCTATCACAGCTACG 2269
Db 601 TCACTGACCTCGGATTTCTGAGGTTGAGTCAAGGTTTCCAAATCTATCACAGCTACG 660
Oy 2270 TCTGCCAGGACATCATATCCCCCGAGAGTGAACAGGTCACAGGCGGGGTTCTCTAC 2329
Db 661 TCTGCCAGGACATCATATCCCCCGAGAGTGAACAGGTCACAGGCGGGGTTCTCTAC 720
Oy 2330 AGCCTGTCAAGCCTTGTGATCGACTTATTTGGGTTGACACAGATATGACTGTGATGAA 2389
Db 721 AGCCTGTCAAGCCTTGTGATCGACTTATTTGGGTTGACACAGATATGACTGTGATGAA 780
Oy 2390 TCACCTCCCCAGCTGAACTTTTCCACCTGGAATCTTGGGAATACCGGACGTGATCTT 2449
Db 781 TCACCTCCCCAGCTGAACTTTTCCACCTGGAATCTTGGGAATACCGGACGTGATCTT 840
Oy 2450 TTTATAGTCCATGATGATGAGACCCAGTCCGACGTTCTGGGAGATCAACACATCCGCG 2509
Db 841 TTTATAGTCCATGATGATGAGACCCAGTCCGACGTTCTGGGAGATCAACACATCCGCG 900
Oy 2510 TCAGGTGCACTCCACAGAAAAGTCTCCGGAAGTTTGTCTGCCAGGACGTGCTCAG 2569
Db 901 TCAGGTGCACTCCACAGAAAAGTCTCCGGAAGTTTGTCTGCCAGGACGTGCTCAG 960
Oy 2570 ATGGGACCTGTGATGGCTGCAATTCCTACTTCTGTGGAGAGGCGGCTGTGCTGCCCG 2629
Db 961 ATGGGACCTGTGATGGCTGCAATTCCTACTTCTGTGGAGAGGCGGCTGTGCTGCCCG 1020
Oy 2630 TCTGCTCAGTGGCTGACTACATCATCTATCTCAGCAGCTGTGTGGCTGGGATCCAGAA 2689
Db 1021 TCTGCTCAGTGGCTGACTACATCATCTATCTCAGCAGCTGTGTGGCTGGGATCCAGAA 1080
Oy 2690 CTACTTACGTGTGGCGAAGCCCAAGCTATGCTGTGTGCTGCTGTGCTGACGAGA 2749
|||||

```

```

Db 1081 CTACTTACGTGTGGCGAAGAACCCCAAGCTATGCTGTGGTCAATTTCTGCTGAGCAGA 1140
Oy 2750 GAGTCACCATCTGCAAAACCATATGATTTCTGTGGAAGGAGCATCTGACAGCACT 2809
Db 1141 GAGTCACCATCTGCAAAACCATATGATTTCTGTGGAAGGAGCATCTGACAGCACT 1200
Oy 2810 GTACTGCTATCTGCTCACCCTGTTGACTGCTACTTTTGGAAAAGAAATCAAAAATAG 2869
Db 1201 GTACTGCTATCTGCTCACCCTGTTGACTGCTACTTTTGGAAAAGAAATCAAAAATAG 1260
Oy 2870 AGTACAAGTACTCCACGCTGTGATGATCTCTCAAGAGCTGTGACTGCGACGAG 2929
Db 1261 AGTACAAGTACTCCACGCTGTGATGATCTCTCAAGAGCTGTGACTGCGACGAG 1320
Oy 2930 CTGACACTCGCCCATATGGAAGGCGAGGATGAGAGGACGACCTCATCTTACAGCA 2989
Db 1321 CTGACACTCGCCCATATGGAAGGCGAGGATGAGAGGACGACCTCATCTTACAGCA 1380
Oy 2990 AGAA-TCACTCTTTGGGAGATCAAAATCATTTACCTCCAAAGAGACTCTGATGATTTG 3048
Db 1381 AGAAGTCACTCTTTGGGAGATCAAAATCATTTACCTCCAAAGAGACTCTGATGATTTG 1440
Oy 3049 ACTCAGTGGCGCTGAGACATCTCTCAGAGAGCCACAGCATGACCTGTGAGAGCACTGC 3108
Db 1441 ACTCAGTGGCGCTGAGACATCTCTCAGAGAGCCACAGCATGACCTGTGAGAGCACTGC 1500
Oy 3109 CTGCTCAGCTCGCTCCACCTGTCATPACACCTTTCGAAGCCTGCGGCGATTTGGGTG 3168
Db 1501 CTGCTCAGCTCGCTCCACCTGTCATPACACCTTTCGAAGCCTGCGGCGATTTGGGTG 1560
Oy 3169 CCACATCTCTGCAACACCCACCTGCTGGAATCTCTTATTTGTGGCTTATCAGATGTTG 3228
Db 1561 CCACATCTCTGCAACACCCACCTGCTGGAATCTCTTATTTGTGGCTTATCAGATGTTG 1620
Oy 3229 AATTTCAATCTTTTATATGATGATGACCAACCTCTTCTGCTGCTGCTCAAACTGC 3288
Db 1621 AATTTCAATCTTTTATATGATGATGACCAACCTCTTCTGCTGCTGCTCAAACTGC 1680
Oy 3289 CAAATATACCCACACTTGTGTAATTAATAAAAAA 3325
Db 1681 CAAATATACCCACACTTGTGTAATTAATAAAAAA 1717

RESULT 9
ID ABV23150 standard; cDNA: 1299 Bp.
XX ABV23150;
XX AC
XX ABV23150;
XX 16-SEP-2002 (first entry)
XX DE
XX Human prostate expression marker cDNA 23141.
XX KW
XX Human; prostate cancer; cytostatic; carcinogen; pharmacodynamic marker;
XX pharmacogenomic marker; gene; ss.
XX OS
XX Homo sapiens.
XX PN
XX WO200106860-A2.
XX PD
XX 23-AUG-2001.
XX PF
XX 20-FEB-2001; 2001WO-US05171.
XX PR
XX 17-FEB-2000; 2000US-183319P.
XX PR
XX 16-MAR-2000; 2000US-189862P.
XX PR
XX 25-MAY-2000; 2000US-207454P.
XX PR
XX 09-JUN-2000; 2000US-211314P.
XX PR
XX 18-JUL-2000; 2000US-219007P.
XX PR
XX 13-DEC-2000; 2000US-255281P.
XX PA
XX (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.

```


identifying agents for treating tumours and autoimmune disease -

Claim 3; Page 72-74; 85pp; French.

The present sequence encodes a human protein expressed in tumour cells. The polynucleotide is useful for screening cDNA/genomic DNA banks and for cloning isolated DNA; identifying mutant forms of the gene that encodes a human protein, where the mutations are associated with abnormal gene expression, or promoters and regulators of the gene, particularly for diagnosis; for recombinant expression of the gene, protein; as probes and primers for detection and amplification; and as antisense therapeutics. The tumour expressed protein is useful for raising specific antibodies and to screen agents that modulate its activity, bind to it or interact with it. These agents are potentially useful for treatment or prevention of diseases associated with abnormal expression/activity of the protein, particularly immunological diseases (autoimmune diseases and cancer) or viral, bacterial, fungal or parasitic infections.

Sequence 1149 BP; 308 A; 315 C; 277 G; 249 T; 0 other;

Query Match 34.4%; Score 1145.8; DB 22; Length 1149;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1147; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 463 AGCCTCTCAGCCACATGAGAGCTGATGACAGTCTGCTGAGTCCACCGGAACTGTACT 522
Db 1 AGCCTCTCAGCCACATGAGAGCTGATGACAGTCTGCTGAGTCCACCGGAACTGTACT 60

QY 523 TCGTCAAGTGGGTCCCGGGGCGCATACATCCGCTTCACAGGAGCAATGACACAGCC 582
Db 61 TCGTCAAGTGGGTCCCGGGGCGCATACATCCGCTTCACAGGAGCAATGACACAGCC 120

QY 583 ACACGTATGATAGCGCCGTGACCTGAAGCAATGTGGACCGTTAACTGGAATACATAT 642
Db 121 ACACGTATGATAGCGCCGTGACCTGAAGCAATGTGGACCGTTAACTGGAATACATAT 180

QY 643 CCAGACTCCAGCATCATCTTTGAGTTTTCGTTCAAGTACAGCAGTGGCAGCCCAATGCA 702
Db 181 CCAGACTCCAGCATCATCTTTGAGTTTTCGTTCAAGTACAGCAGTGGCAGCCCAATGCA 240

QY 703 GATGACTCCAGTGGATTAAGACACAGAGAAAGATGGAAATTCACAGTGTGAGCTTA 762
Db 241 GATGACTCCAGTGGATTAAGACACAGAGAAAGATGGAAATTCACAGTGTGAGCTTA 300

QY 763 AATGAGGCAATTAATGTCTCTATTTGAGAAACACAGCCTCTCTGATTTGAGCAAAAGTA 822
Db 301 AATGAGGCAATTAATGTCTCTATTTGAGAAACACAGCCTCTCTGATTTGAGCAAAAGTA 360

QY 823 CCCAAGCCTGTGTGAGAAACATTCATTAACAGGGGTGGCTTACACTTTCAGAAATGC 882
Db 361 CCCAAGCCTGTGTGAGAAACATTCATTAACAGGGGTGGCTTACACTTTCAGAAATGC 420

QY 883 TTCCCTCCCAAACTGGAGCATATGACAGCAAGAGGCTCTCTTTTTCGCAAACTTTGTC 942
Db 421 TTCCCTCCCAAACTGGAGCATATGACAGCAAGAGGCTCTCTTTTTCGCAAACTTTGTC 480

QY 943 CCAGCCAACTTTATTTCAATTAAGAGAACTTCTTCCACCAAGTGTGACCTTGACAAA 1002
Db 481 CCAGCCAACTTTATTTCAATTAAGAGAACTTCTTCCACCAAGTGTGACCTTGACAAA 540

QY 1003 TACTGAGAAAGAGATCTTCTTCTGTAACGTGGCCAGCTTGACAGACAAAGATTAT 1062
Db 541 TACTGAGAAAGAGATCTTCTTCTGTAACGTGGCCAGCTTGACAGACAAAGATTAT 600

QY 1063 TTCTACACACACAGGCTGGATGCCAAGGAGAGACACAACTCATATGTAACAAATGGGCC 1122
Db 601 TTCTACACACACAGGCTGGATGCCAAGGAGAGACACAACTCATATGTAACAAATGGGCC 660

QY 1123 AAGCCGAAATCTGTAGAGAGACCTTGAGGGGCGAGTGAAGTGCCTCGCTGGGTGTG 1182
Db 661 AAGCCGAAATCTGTAGAGAGACCTTGAGGGGCGAGTGAAGTGCCTCGCTGGGTGTG 720

QY 1183 AAGACCCAGTCCGCCACCCCTGCAACCCAGGCTTCTTCAAAAACCAACAGACACTGCCAG 1242
Db 721 AAGACCCAGTCCGCCACCCCTGCAACCCAGGCTTCTTCAAAAACCAACAGACACTGCCAG 780

QY 1243 CCCTGCCATATGTTCTTCACTTCAATGGCTCAGACTGTACCCGCTGCCCTGACGGACT 1302
Db 781 CCCTGCCATATGTTCTTCACTTCAATGGCTCAGACTGTACCCGCTGCCCTGACGGACT 840

QY 1303 GAACCCGCTGGGATTTGAATACAAATGTTGGAACAGCTGCCCAAAACATGGAAGG 1362
Db 841 GAACCCGCTGGGATTTGAATACAAATGTTGGAACAGCTGCCCAAAACATGGAAGG 900

QY 1363 ACCGTTCTCAGTGGATTCATCTTCAAGTACAAAGGAGGATGACAGGCTGGAGTGGCTGT 1422
Db 901 ACCGTTCTCAGTGGATTCATCTTCAAGTACAAAGGAGGATGACAGGCTGGAGTGGCTGT 960

QY 1423 GATCATTATTAACACAGCTGCTGAGGCTTACAGCATGATTTATATTTCTACTGTGTT 1482
Db 961 GATCATTATTAACACAGCTGCTGAGGCTTACAGCATGATTTATATTTCTACTGTGTT 1020

QY 1483 GTGCCAGATTTAAGACCTCCGAGTGGATGGAGGACAGACAGAGAAATGAAGTGGCC 1542
Db 1021 GTGCCAGATTTAAGACCTCCGAGTGGATGGAGGACAGACAGAGAAATGAAGTGGCC 1080

QY 1543 AGAATCACATTTGTCTTTGAGACCCCTGTCTGTGAACTGTGAGCTTACTTCAATGTG 1602
Db 1081 AGAATCACATTTGTCTTTGAGACCCCTGTCTGTGAACTGTGAGCTTACTTCAATGTG 1140

QY 1603 GGTGTGAAT 1611
Db 1141 GGTGTGAAT 1149

RESULT 12
AAH76195
ID AAH76195 standard; cDNA; 1587 BP.

AC AAH76195;
XX
XX
DT 29-OCT-2001 (first entry)
XX
XX
DE Human seven-transmembrane protein 50288 cDNA sequence.
XX
XX
KW seven-transmembrane protein; G-protein coupled receptor; GPCR; human;
KW 17724; 50288; 31945; antiinflammatory; antilucer; cytosolic; virulide;
KW hepatotropic; immunosuppressive; gynecological; neuroprotective;
KW anti-HIV; immunostimulant; dermatological; antidiatherosclerotic; cardiant;
KW antianemic; antiparkinsonian; nephrotropic; antithyroid; hemostatic;
KW cerebroprotective; osteopathic; analgesic; gene therapy; nootropic; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 308..1427
FT /*tag= a
FT /product= "50288 protein"
XX
XX
PN WO200159117-A2.
XX
XX
PD 16-AUG-2001.
XX
XX
PE 12-FEB-2001; 2001WO-US04536.
XX
XX
PR 11-FEB-2000; 2000US-0182061.
XX
XX
PA (MILL-) MILLENNIUM PHARM INC.
XX
PI Glucksmann MA, Sijos-Santiago I;
XX
XX
DR WPT: 2001-514670/56.
DR P-PSDB: AAB85768.
XX
PT New seven-transmembrane protein/G-protein coupled receptor polypeptides

Db 891 ATTCAAGCAACAAACAGGTTCACTGACGAGGTGTGTCACAAACACTATTCGA 950
 Qy 963 TAAAGAGAAACTTTTGGCCACCACTGTACCCTGACAAATCTCAGAGAAAGATCTTC 1022
 Db 951 GAAAGAGGCAAAAGATATATAGGTGA--AGACAGCTCTCAATTTTTCAGATCCAG 1007
 Qy 1023 TTCCGTAAAGTGGCCAGGTTCGACAGACAAAGATATTTCTACACACAGGCTG 1082
 Db 1008 TAGGTGTACAGAGCCCTCCCTGTACCAAAAGATATTTCCAGATCCATCTCCATG 1067
 Qy 1083 CGATGCCAAGAGAGACACAACTCATGTACAAATGGCCCAAGCCGAATCTGTAGCGA 1142
 Db 1068 TATAGAGAGAGAAAGACACAGATATATGTACAGTGTAGAGCCCAAAATCTGGCGGA 1127
 Qy 1143 GGACCTTGAGGGGCGATGAGCTGCCCTGTGTGTGAAGACCCACTGCCACCTG 1202
 Db 1128 GGATCTCAAGATGCTATATGATGCCCCCTCTGGAGAGAAAGATTTGCCCTTG 1187
 Qy 1203 CAACCCAGGCTCTCAAAACCAACACAGACCCGAGCCGCTGCAATGTTCTA 1262
 Db 1188 CAACCCGTGATTTTATACAAATGATCATCTTCTGCAATCCCTGCTCTGGAACTT 1247
 Qy 1263 CTCCAAATG--CTCAGACTGTACCCGCTGCCCTGACAGGACTGAACCTGTGTGAT 1319
 Db 1248 TTCAGATGAGCAACAAAGATGTAGACATGTCCACAGAGAGCCCTGCACTTGCTT 1307
 Qy 1320 TGAATACAAATGTGTGAACACGCTGCCCAACAAATGGAACGACGTTCTCATGGAT 1379
 Db 1308 TGAATATAAATGTGAATGTCTCCCTGACACATGAAGATCTCTCTCAATGTTGG 1367
 Qy 1380 CAACCTTCGATGCAAGGCTATACAGGCTGGAGGTGTGTATCATTTTACACAGC 1439
 Db 1368 GAATTCAAAGTGCATGTGAATGAATGTGGAGGTGCTGAGATCATATCCAGAGTG 1427
 Qy 1440 TCCCTGAGGCTGAGCAATGATCTCATGTTCTCACTCGTTGGTTGGAGTTTATAGC 1499
 Db 1428 GGCTGAGGTTGTGACATGATTTACCTGATCTTAACTTGCTATCCAGATTTTAAAC 1487
 Qy 1500 TCCGAGTGTGTATGAGCAGACACAGAAATAAAGGTGCGAGAAATCATATTTGCTT 1559
 Db 1488 ACCAATATATGACTGTGGAGCC--GAGTCTGAACTAGAGAAATATACATTTGCTT 1544
 Qy 1560 TGAAGACCTGTGTGTGAATGTGAGCTCTACTTCAATGTTGGTGTGAATCTAGAC 1619
 Db 1545 TGAAGCCCTGTGTGAGTGTGTTGTGATTCATGTGTGATTAATAGAAAAAG 1604
 Qy 1620 CAACACTCTGTGAGAGAGTGAAGGTTCCAAAGCAACAGTCTATACATCAT 1679
 Db 1605 TACAAATGTGTGAATCTGTGGGTGGAACCAAAAGAAACAGCTTACACCATATCAT 1664
 Qy 1680 TGAAGAGAACTATACAGAGCTTCACTGCGCTTCCAGAGACCACTTTTATGAGGC 1739
 Db 1665 CTTCAGATGAGCACTTTTACATTTACATGAGGCAATTCAGAGAAATACAGGTCAGA 1724
 Qy 1740 AAGCAGAGATGACCAATGAGTGTGCAAGATCTATCTCATCATATCTACCAATGTAT 1799
 Db 1725 TATAGACGCTTATCAATGAGATGAGATTAATTTCTATCAAGCAGCACTAAAGCAGT 1784
 Qy 1800 GATGAGGCTGTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1859
 Db 1785 TGAATGGGTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1844
 Qy 1860 GTGACACTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1919
 Db 1845 GTGTGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1904
 Qy 1920 CCCCCCTAACAAATTTGAAAGCCACAGCCTTATGTTGCTGCAAGGCTGTGGTCCCTG 1979
 Db 1905 TCCACCTGACACTTACTCTCATATCAGGTATATGCAAGAGGCTTGTATTCATG 1964
 Qy 1980 TGGTCCAGGACCAAGAACAAAGATCCACTCTGTGTGCTACAAATGATGACCTTCTC 2039

Db 1965 CGGCGCTGGAGTAAACAAATCAGACCATTCGCTTGTCTATATGATGCTTTTCTA 2024
 Qy 2040 ACGCAACATCCAAACAGACTTTCAATCACTTCTCGCTTGGCAACACCGCTCAC 2099
 Db 2025 CCATGAAAGAAAGAAATCAGATTTTGGCACTATGACTTTAGAACCTCAGCAGTGGCTC 2084
 Qy 2100 TCTTGTGAGGGGCAAGCTTCACTTCCAAAGGTTGAAATACCTTCCATCCTTACCTT 2159
 Db 2085 ATTAATATATGCCCCAGCTTCACTCCTCAAGAGACAAATTACTTCATTTCTTCATAT 2144
 Qy 2160 CAGTCTCTGTGAAGCCAGGATGAGAAATGTCTGTGTGACCCAGACATGTCACTGACT 2219
 Db 2145 CAGTTTATGTGGCATGAGGGAAGAGATGCTCTGTATACCAACAAATTAACAGACTT 2204
 Qy 2220 CCGATTCCTGAGGCTGATGAGGTT-----CTCAATCTATCAGCCTTACGT 2270
 Db 2205 TACAGTAAAGAAATATAGTGGCAGGCTGATGATTTACCAAAATTTGGTAGGGCATTTGT 2264
 Qy 2271 CTGCGAGCAGTCATATCCCCAGAGGTGACAGGCTTACAAAGCCGAGGTTCTCACA 2330
 Db 2265 ATGCGACTCAACATTTATCTCTGTGAAGTAAAGGTTTCCGAGCAGCTTATATACACA 2324
 Qy 2331 GCTGTGAGCCTTGTCTGATGACTTATTTGGGTGACAAAGATATGACTCTGATGGAAT 2390
 Db 2325 ATCCATCATTTGCGACATATTCATATGAGATCAGAGTGAACCAACATTTGAAATAAT 2384
 Qy 2391 CACCTCCCAAGCTGACTTTTCACTGAGTCTCTGGATATCCGAGCTGATCTTCTT 2450
 Db 2385 TAAATTAAGAAAGATATGTTCCAGTTCACAAAGCAATACAGATGATGATTTCTT 2444
 Qy 2451 TTATAGTCCAAATGATGTGACCCAGTCTGCACTGCTGGAGTCAACCAACATCCGCT 2510
 Db 2445 TTATAGTCTTCTACACAAACAAATCTTTATTAAGTCCGATCAACATCTGTGAAAT 2504
 Qy 2511 CAGGTGAGTCCACAGAAACCTGTCCCTGGAAGTTTGTCTCTCCAGAGACGTCTCAGA 2570
 Db 2505 GAGGTATATCTCTCAATCTGTGAGAGAGATTTTCACTGCCAGCAAGTCCAGC 2564
 Qy 2571 TGGAGCTGTGATGCTGCAACTTCCACTTCTGTGTGGAAGCGCGGCTTGGCCCTT 2630
 Db 2565 AGGTACCTGTGATGCTGTGATGCTTCTGTGTGAGAGAGTGTGAACTTGGCCCTT 2624
 Qy 2631 CTGCTCACTGAGTACATCATGCTATGTCAGACAGCTGTGTGGCTGGATCCAGAAAG 2690
 Db 2625 GTTACGAGACATGACTTCCATGATTTGAGGAGCTGCAAGAGAGATTTAGCAAC 2684
 Qy 2691 TACTTACGTGTGCGAGAACCAAGCTATGCTGTGTGCACTTCTGTGCTGAGCAGAG 2750
 Db 2685 CTGTATGTGTGGAATGAACTTAATGTGTGCAATTAAGAAATTTCTTGTGCTGAGAAAA 2744
 Qy 2751 AGTCAACTGTGCAAAACATAGATTTTGTGTGGAAGTGGCATCTGTGAGGCACTG 2810
 Db 2745 GTTGGCAACCTGTGAAACGTTGACTTTGTGCTGAGGTGGAGCCGTTGTGGACTT 2804
 Qy 2811 TACTGCACTCTGCTGCAACGCTTGTGACTCTGCTTGTGAAAGAAATCAAAATCTAG 2870
 Db 2805 TACTGCCGTTTGTGTGTGTGCTGTGACTCTTCTGTGAAAAAAGATCAAAAAAGAAAA 2864
 Qy 2871 GTACAAATCTCAAGCTGTGA 2893
 Db 2865 GAAGACCATTTTGAATCTGTCA 2887

Search completed: March 11, 2003, 05:44:30
 Job time : 517 secs

